Update and Look Ahead

RADM Bob Day
Assistant Commandant for C4IT &
Director of Coast Guard Cyber Command
“3 Years, 2 Months, 28 Days”
What Have We Accomplished?

• Centralization, Standardization, and Alignment.
• Governance.
• Cyber Defense Improvements.
• Mobility.
Collapsing the Stove Pipes!

- **Centralized Help Desk. CG-FIXIT.**
  9 regional desks centralized in St. Louis. ITIL processes. New trouble ticket tools. $3.2M recurring savings (& more).

- **Data Center Standardization & Consolidation.**
  CG data floors moving under CIO control & processes. Meet OMB/DHS consolidation goals over next 4 years.

- **Leverage Cloud and “XaaS” Platforms.**
  Starting with private (DoD/DHS) services. Thin Clients. DISA e-mail. SharePoint/Project Mgr as a Service.

- **Discipline in IT services being provided.**
  No more IT “by whim”, standardization enterprise wide. Finish what we have already started vice new starts.
Governance

• CG Modernization is taking hold.
  Service Center and product lines are maturing. Processes being refined. Relationships with other logistics centers improved. Need LIMS sooner to fully achieve vision.

• Portfolio Perspective.
  Increased visibility and accountability. Collapse like systems. Optimize resource allocation to survive current/future budgets.

• New Governance Boards and Processes.
  Leverage existing acquisition processes. Broad stakeholder participation but technical authorities have final word.
C4IT Portfolios – C3ISR and Mission Support Service Lines

C4ISR Resource Council

- Mobile Tactical C3
  - CG-64/John Edwards
  - Larry Gansz
  - Seawatch

- Ashore Strategic C3
  - CG-64/John Edwards
  - Dave Wolfe
  - Coastwatch

- Ashore Tactical C3
  - CG-64/John Edwards
  - Dave Wolfe
  - Portwatch

- Intel
  - Greg Palmertree
  - Jon Bechtle
  - Enterprise Applications

- Operations Systems (1)
  - CG-64/John Edwards
  - Jon Bechtle
  - Enterprise Applications

Mission Support Resource Council

- Mission Support
  - Gary Chappell
  - Jon Bechtle
  - Enterprise Applications

- Data Center Infrastructure
  - CG-63/Charlie Jager
  - Jack Mundale
  - Data Center Services

- Infrastructure
  - CG-64/CAPT Meade Deputy
  - Bill Randall
  - Networks / EISI

- Finance
  - Bruce Krebs
  - Jon Bechtle
  - Enterprise Applications

- HR
  - Mike Fijalka
  - Jon Bechtle
  - Enterprise Applications

- Logistics
  - Jim Sylvester
  - Jon Bechtle
  - Enterprise Applications
Coast Guard GIS-Based Systems Roadmap

DRAFT CG Integrated Roadmap for GIS-based Systems (Under Construction)

(Reflects input provided to RDC via Asset Managers, Project Officers, COE; last updated 1/26/2012 by KB; Format Adopted from Navy OPNAV 3080)

Checklist
1. Add Portfolio info
2. Color code funding box
3. Add life cycle phase info & annotate
4. Show migrations & end of service life
5. Add "Issues" color bar underneath
   (see IOC sample)
6. Add notes as needed (at the very bottom)
   ?? Requires clarification by AM/PO

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Life Cycle Phase Key
- Development or Major Upgrade
- Sustainment Phase

Funding Key
- Greater than 90% Funded
- 50-90% Funded
- Less than 50% Funded
- Funding Unspecified

Issues Key (per AM/PO; use notes to summarize)
- Moderate Issues
- Major Issues
- Indicates migration complete

Impacts GIS only.
IT Governance
Process

DHS CIO
CG CIO
CG-6 Office Chiefs
Mission Support Sponsors
Operational Sponsors
Resource Councils

Strategic Plan

Enterprise Architecture Board

C3ISR Resource Council

MSIT Resource Council

CIO

Executive Oversight Council

C4IT SC Asset Logistics Division

Budget Boards

Architectural Approval and Guidance

Proposals
Status
Cost Data

Priorities

Guidance

Spend Plans
Budgets

*Road Maps Developed and Maintained by Resource Councils

Resource Proposal

Product Lines

Portfolios

CG-7/CG-2

CG-8

*Road Maps

Appendix A
Cyber Progress

- Completed shift to DOD Trusted Internet Connections.
- Installed Host Based Security System (HBSS) on NIPR & SIPR.
  - 20 CG personnel assigned to U.S. Cyber.
- CG Cyber in final stages of standup. 20+ personnel, new organizational alignments (especially IA), codifying relationships with DOD/DHS. CG-CIRT at TS/SCI.
- Leveraging DOD/US Cyber systems and processes (.mil) to achieve real-time monitoring & active defense.
- Constant barrage of new standards and requirements make this mission set very challenging.
Cyber Program Mission Areas

Living Marine Resources

Ports, Waterways, and Coastal Security

CG One

Provide a Secure Platform

Secure Ports and Waterways

Provide Decision Advantage

Other Law Enforcement, Marine Safety

Counter Drug

Migrant Interdiction

Provide a Secure Platform

Secure Ports and Waterways

Provide Decision Advantage
CGCIRT – Cyber Events

- URL/IP Blocks
- Possible Compromise
- Policy Violations

Chart Title

- URL/IP Blocks
- Possible Compromise
- Policy Violations

0
5,000
10,000
15,000
20,000
25,000
30,000
35,000
40,000

Jul 10
Aug 10
Sep 10
Oct 10
Nov 10
Dec 10
Jan 11
Feb 11
Mar 11
Apr 11
May 11
Jun 11
Jul 11
Aug 11
Sep 11
Oct 11
Nov 11
Dec 11
Jan 12
Feb 12
Mar 12
Apr 12
May 12
Jun 12

10
0
50
100
150
200
250
300
350
400

URL/IP Blocks
Possible Compromise
Policy Violations
CGCIRT – EVENTS BY CATEGORY

Black Hole 58%

Policy Violation 18%

Generic Malware 24%
Trends

iPhone Connections
• Continued high demand from programs and end users to leverage mobile computing & 3G/4G connectivity for almost every mission area. “It’s mission essential”. CBP TACCOM program is DHS focal point for developing this capability.

• Moved to Android and iOS platforms with Good for mobile messaging, via DMZ services. Looking to develop Apps, only if inside Good environment. Device is not a network endpoint. Established a chargeback framework to source needed dev/test/production environments for reliable services.
$383: Coast Guard CIO creates innovative mobility model

By David Stegon · Thursday, August 16th, 2012 · 1:42 pm
$’s for FY13-XX

New Out Year Financial Planning Tools
$’s for FY13-XX

• C4IT Budget:
  FY10  $436M   FY11  $476M   FY12  $483M
  FY 13 (projected)  $486M

• The numbers are deceiving. For example, FY13 includes $16M for St. Elizabeth’s move, support $’s for new assets coming online (FRC, NSC, R21 maintenance). Reality is that we have lost over $53M in budget during FY11-12 (efficiency mandates) have required significant cuts to some services and elimination of many new initiatives.

• 20% HQ personnel reductions have really hurt capacity.
Contracting Vehicles Used/Awards (FY11-12)

- GSA Federal Supply Schedules (FAR PART 8)
- GSA GWAC Contracts (FAR PART 8)
- Simplified Acquisition Procedures (FAR PART 13)
- Acquisition of Commercial Items (FAR PART 12)
- Contract By Negotiation (FAR PART 15)
- DHS EAGLE
- DHS PACTS
- DHS FIRST SOURCE
- DHS Program Management, Business, & Contract Support

- 8(a): $445M
- ANC: $40M
- HUBZONE: $5.3M
- Large: $389M
- Small Business: $122M
- SDVOB: $46M
Questions?